

FEATURES

- Frequency Range: 3545 - 3555 MHz
- Step Size: 1000 KHz
- PLL-24H - Style Package

APPLICATIONS

- Telecommunications
- Satellite
- Telemetry

PERFORMANCE SPECIFICATIONS

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Frequency Range	3545 - 3555	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-105	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Sideband Spurs (typ.)	-70	dBc
Power Output	3±3	dBm
Load Impedance	50	Ω
Step Size	1000	kHz
Charge Pump Output Current	2500	μA
Switching Speed (typ., adjacent channel)	2.5	mSec
Startup Lock Time (typ.)	2	mSec
Operating Temperature Range	-40 to 85	°C
Package Style	PLL-24H	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	40	mA

All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES

- AN-107 : How to Solder Z-COMM VCOs / PLLs
- AN-202 : PLL Functional Description

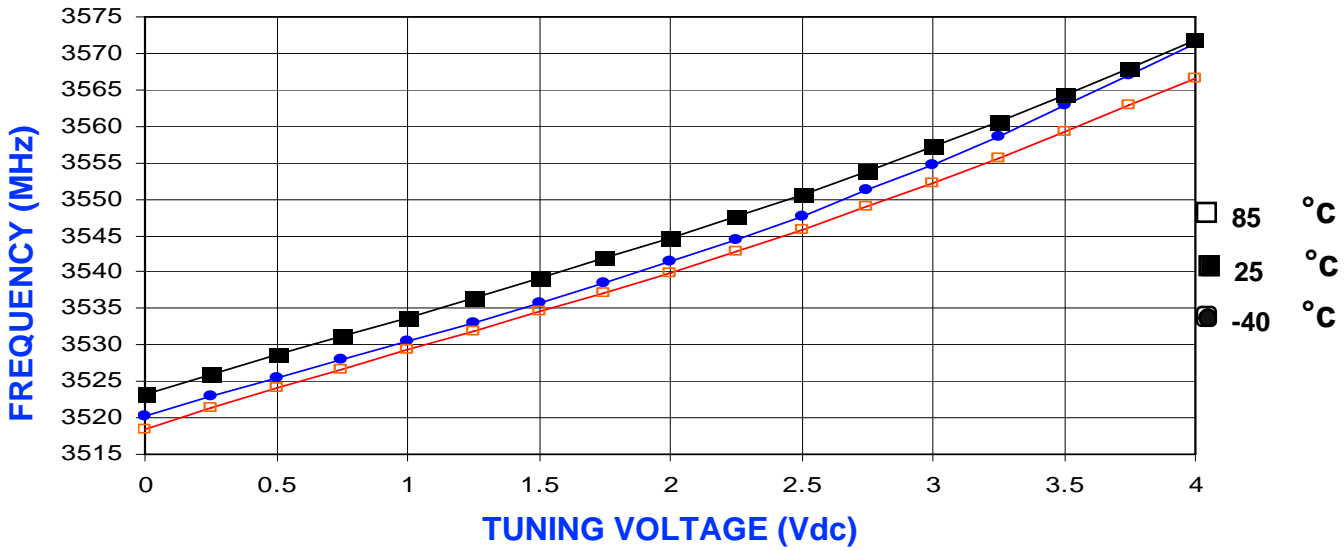
NOTES:

Reference Oscillator Signal: 5 MHz f_{osc} <math>< 100</math> MHz

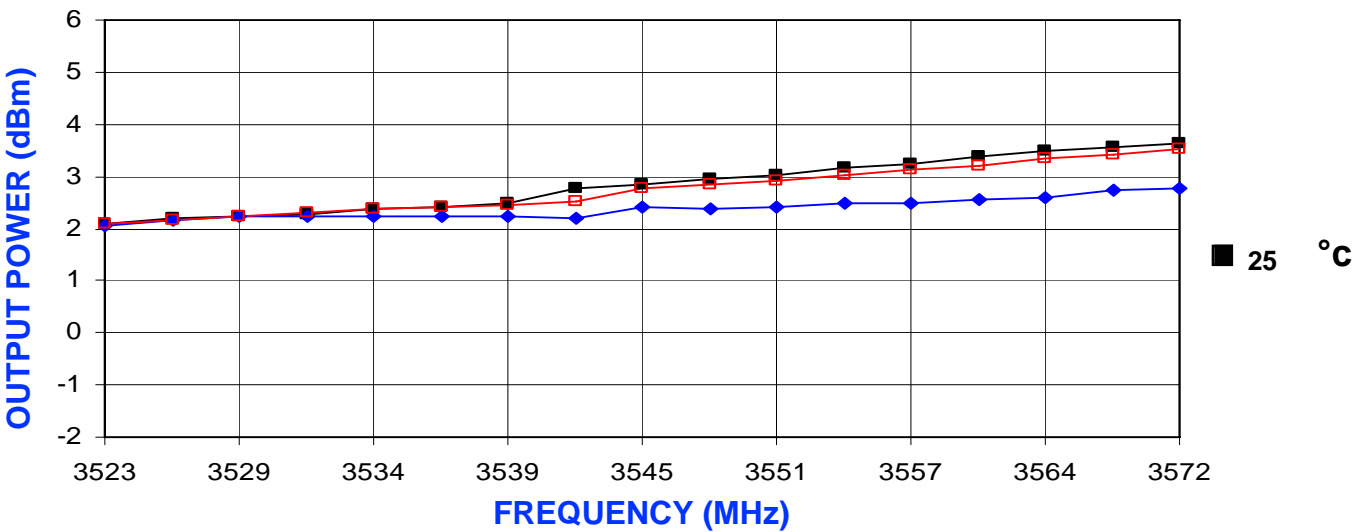
Prescaler: 32

Frequency Synthesizer: Analog Devices - ADF4106

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

